[ANARTS - Australian National Amateur Radio Teletype Society]

ANARTS NEWS BULLETIN 806 24/04/94

Sunday transmission schedules next week will vary from our norm as a reshuffle of operators will be necessary due absentees.

3.545 MHz	0930 UTC	VK2BQS (Jim)
7.045 MHz -3	0030 UTC	?????????????
14.070 MHz (amtor/fec)	0030 UTC	?????????????
14.091 MHz	0030 UTC	?????????????
146.675 MHz	0030/0930 UTC	VK2JPA (PAT)
144.850 MHz (ax25 bbs)		VK2JPA AT ??????
146.675 MHz (rtty mmbbs/repeater)		VK2RTY

So for 1st May search and locate

Views expressed in this news bulletin are not necessarily those of the Broadcast Officer, the Relay Officers, or of the Society.

CHINA HAM NEWS

APRIL 16, 1994

EDITED BY RICK NIU, BZ1QL

CHINA HAM NEWS IS ORIGINATED AT BY1QH, OPERATED BY THE TSINGHUA UNIVERSITY AMATEUR RADIO CLUB IN BEIJING, CHINA. IT IS RELEASED FIRST AND THIRD WEEKENDS EVERY MONTH, AND IS AVAILABLE FOR UNLIMITED DISTRIBUTION.

WE WHOLEHEARTEDLY CONGRATULATE OUR GOOD, OLD FRIEND DIETER, DJ7BU, ON OBTAINING HIS AMATEUR RADIO OPERATOR'S CERT-IFICATE FOR VISITORS. A SIEMENS DEPUTY DEPARTMENT MANAGER, DIETER HAS BEEN WORKING, BOTH IN THE BUSINESS AND HAM RADIO AREAS, IN SHANGHAI, GUANGZHOU AND BEIJING FOR OVER FIVE YEARS, AND IS PRETTY WELL KNOWN IN THE CHINESE AMATEUR RADIO COMMUNITY. SINCE MARCH 25, 1994, DJ7BU/BY1QH HAS BEEN OFFICIALLY VALIDATED AND IS OWNED BY A GERMAN RADIO AMATEUR OPERATING FROM THE PEOPLE'S REPUBLIC OF CHINA.

1ST DIGITAL BA... WHEN A BY1QH MEMBER SPOT BA1GYS ON HF PACKET, EVERYBODY SAID THERE MUST BE SOMETHING WRONG WITH THE SYSTEM. BUT THE NEXT DAY WHEN RICK TALKED WITH MR. GUO YUNSHENG (GYS, THAT IS), HE SAID HE WAS HOPING TO LEARN MORE ABOUT PACTOR1 EQUIPPED WITH TWO STANDARD TUS (A GERMAN HC AND A YX-9001) AND A 386 COMPUTER PLUS A KENWOOD 440, BA1GYS IS TRYING TO BRING THE 20-ODD BA GROUP INTO THE MAGIC WORLD OF DIGITAL COMMUNICATIONS. RIGHT NOW GUO'S PROBLEM SEEMS TO LIE IN THE LACK OF RELATED REFERENCES, BOOKS, HARDWARE AND SOFTWARE, PREFERABLY FOR PACKET AND PACTOR.

IF YOU ARE INTERESTED IN HELPING THE BA GET UP AND RUNNING, AND YOU HAPPEN TO BE ABLE TO DO GUO A FAVOR, PLEASE DIRECT WHATEVER YOU MAY SEND HIM TO: MR. GUO YUNSHENG, BA1GYS C/O RICK NIU, BZ1QL, ROOM 316 BUILDING 25, TSINGHUA UNIVERSITY, BEIJING 100084, CHINA.

HAM RADIO ON BEIJING TV... A 25-MINUTE ENGLISH LANGUAGE TELE-VISION PROGRAM ABOUT AMATEUR RADIO AND THE TUARC WAS AIRED ON BEIJING TELEVISION (BTV) FEBRUARY 20. THIS MAY HAVE BEEN THE VERY FIRST TIME IN CHINA THAT OUR HOBBY IS INTRODUCED TO THE GENERAL PUBLIC VIA A NOTED TV STATION. FOUR OF THE CLUB

MEMBERS - NICK, GRAY, JOHN AND SEAN - DID A SUPER JOB IN THE SHOW WHILE RICK WAS BEHIND THE SCENE AS AN ASSISTANT DIRECTOR. THANKS TO SAM N3NFK FOR A VIDEOTAPE OF REFERENCE.

BT2000BJ QSLS... AT LAST, ALL THE STACKED BT2000BJ QSL CARDS WERE SENT OUT IN THE FIRST WEEK OF APRIL FROM TUARC. AGAIN WE DEEPLY APOLOGIZE FOR SUCH AN 'UNBEARABLE' DELAY. BY THE WAY, THE BY1QH CALLBOOK QSL ROUTE STILL WORKS PERFECT: P.O. BOX 2654, BEIJING, CHINA.

(These were some excerpts from the Chinese amateur scene. The item was too long to run in its entirety.

G-TOR, the new faster HF digital mode ... part 1

by Phil Anderson W0XI and others, from an article in the RTTY Digital Journal March 1994

On New Years Day, W0XI and WK5M transmitted a 9,718 byte file from Kansas to WA4EGT in California on 20-meters in 5 minutes, 20 seconds. The mode was G-TOR. Immediately thereafter, the file was transmitted again, this time using Pactor. It took 20 minutes, 15 seconds. Throughout the month of January these tests were repeated with over one-million bytes transferred error-free. The average character/second rate for G-TOR was 23.7 and for Pactor 8.64.

G-TOR, short for Golay-TOR, is an innovation of Kamtronics Co., Inc. It is a new HF digital communications mode for the amateur service. The error correction coding outlined in MIL-STD-188-141A forms the basis for G-TOR. In order to keep costs low yet take advantage of concepts prescribed in the standards G-TOR makes use of exisiting multi-mode TNC hardware but establishes a completely new hybrid-ARQ system in firmware.

The benefits of these innovations are exceptional:

- dramatically increased throughput
- apparent reduction in the effects of interference an multi-path
- low cost.

The key features of G-TOR are atypical:

- extended Golay forward error correction coding
- full-frame data interleaving
- on-demand Huffman data compression with run-length encoding
- link-quality based baud rate: 300, 200, or 100
- 2.4 second hybrid ARQ cycle
- fuzzy acknowledgements
- reduced overhead within data frames
- standard FSK tone pairs (mark and space).

more next week

IPS weekly report
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15 April - 21 April 1994

Issue No 16
Date of issue: 22 April 1994

INDICES:

Date	15	16	17	18	19	20	21
10cm	080	082	082	084	085	086	087
A	15	17	60	20	15	08	(08 estimated)
T	24	38	67	20	40	39	39

SUMMARY OF ACTIVITY

Solar activity was very low 15th - 20th, and low on April.

The geomagnetic field at Learmonth (WA) was unsettled 15th-16th except for a minor storm period on 16th. The field was at major storm levels on 17th, reducing to quiet to unsettled by end of the 19th, at which levels it remained until the end of the period.

Ionospheric F2 critical frequencies at Sydney on 15th and 18th were near normal or depressed by up to 15 per cent, on 17th, frequencies were enhanced by up to 30 per cent. Over the remainder of the period frequencies were near predicted monthly values.

FORECAST FOR THE NEXT WEEK (22 - 28 April)

SOLAR: Low

GEOMAGNETIC: Quiet to unsettled, possibility of active levels on 28th. Further geomagnetic activity expected after 28th.

IONOSPHERIC Near normal.

Courtesy of IPS Radio and Space Services

This week we have received two issues of the DXnotes (8th and 15th). We will attach the Notes of interest from 8th at the end of the details from 15th, but will not print the callsign information from that date. If you need this information please contact Jim VK2BQS or Pat VK2JPA and it will be forwarded to you.

VK2SG RTTY DX NOTES 15 APR 94

VK2SG RTTY DXNOTES FOR WEEKENDING 15 APRIL 1994 (BID RTDX0415)

OUR INFORMATION COMES FROM DJ3IW AND THE CENTRAL-EUROPE DX CLUSTER NODE DB0SPC, I5FLN. IK5AAX AND THE IK5PWJ PACKET-CLUSTER, ON6RO, W2TKU, WB2CJL, N4SO, W5KSI, WA0VQR, ZS5S, AND THE NJ0M NODE OF THE TWIN CITIES DX PACKETCLUSTER NETWORK. THANKS TO ALL.

FRIDAY 8
1530-14084 4X/N1OWU
1631-14089 UN7GY

SATURDAY 9
1340-14086 UT7FP
1440-21101 EC8AWG
1447-14091 UY5UP
1452-14090 5B4VY
1707-21085 FR5ZU/E QSL VE2NW
1742-14086 CN8NP
2001-14082 FG5FI
2330-14069 S92ZM

SUNDAY 10
0115-14069 S92ZM
0649-14088 ER1PE
0656-14081 UR0VS
0735-21073 C91BW ARQ
1418-14086 HP1XVI
1431-14084 V31AR
1438-14085 TI2KSR
1621-21085 J28BM QSL K1SE SEE NOTE
1735-21087 ZD7DP
1842-14086 4X6UO
1854-14083 EA3AMX
1936-14085 HB9RA
1939-14085 YO7BI
1941-14083 OD5PL
1941-14092 CN8NP
1948-14089 F5TA
1949-14087 FG5FI
1954-14091 F2PY
2113-14064 TY1PS CLOVER
2259-14080 S92ZM
2312-14086 ZP5XHM

MONDAY 11
0008-14086 ZP6XR
0009-14083 HI8BG
0015-14087 ZP5YW
0038-14087 ZP6XR
0052-14083 CX3ABE
0219-14089 YV5KAJ
0219-14089 XE1BEX
1913-14088 NL7U
2241-14086 9Y4VU QSL VIA WA4JTK
2241-14086 HI8BG
2347-14091 9Y4SF

TUESDAY 12
0045-14084 PY2CYE
0118-14088 ZP5XHM
0132-7081 FM5DN
0152-14088 LU1CFU
0154-7079 CP6RP

WEDNESDAY 13
2130-14064 TY1PS CLOVER

THURSDAY 14
0106-14088 CX3ABE
0108-14088 XE1AGE
1424-14090 JT1CS

NOTES OF INTEREST:
CIRCLE 9 JUNE ON YOUR CALENDER FOR THE START OF A ONE WEEK

OPERATION BY KEN, V73C, AND FIVE OTHERS, FROM THE FEDERATED STATES OF MICRONESIA (V6). THEY WILL CONCENTRATE ON RTTY AND CW, ON ALL BANDS, INCLUDING WARC. QSL WILL BE VIA OKDXA, P.O.BOX 88, WELLSTON, OK 74881. MORE LATER.

STARTING 16 APRIL FOR A WEEK, OH3MEP WILL BE OH0MEP FROM THE ALAND ISLANDS, ALONG WITH SEVERAL OTHERS OF HIS COUNTRYMEN. ALL BANDS, SATELLITE, AND RTTY ARE PROMISED.

BOB, J28BM, WHO HAS BEEN OPERATING IN DJIBOUTI FOR 20 MONTHS WILL BE GOING QRT AFTER 16 APRIL. HE IS GOING TO SHANGHAI CHINA, AND HOPES TO BE QRV FROM THERE.

HEALTH AND WELFARE:
JACQUES, 9X5LJ, AND HIS WIFE, LEFT THEIR HOME LAST SATURDAY, 9 APRIL, AND TOGETHER WITH OTHER BELGIAN NATIONALS WERE EVACUATED TO A HOTEL IN KIGALI, AWAITING POSSIBLE AIRLIFT OUT OF RWANDA. WE ANXIOUSLY AWAIT NEWS OF THEIR SAFE DEPARTURE FROM THAT UNHAPPY COUNTRY.(HIS APLINK MAILBOX WAS LEFT RUNNING ON 21073 KHZ TO SEE HOW LONG IT WOULD TAKE FOR HIS HOME TO BE LOOTED.)

JOANIE, KA6V, POPULAR QSL MANAGER, HAS BEEN HOSPITALIZED FOR TREATMENT OF CANCER. YOUR QSL CARD TO HER HOME ADDRESS, WITH A GET WELL NOTE, SHOULD HELP SPEED HER RECOVERY.

SEND YOUR BANDPASS AND NOTES OF INTEREST FOR NEXT WEEK'S BULLETIN TO LUCIANO, I5FLN AT ZS5S.ZAF.AF. OR AT I5FLN.ITA.EU.

73 AND GOOD HUNTING DE JULES W2JGR AT W2TKU.#SRQFL.FL.USA.NA
(VIA HF AMTOR)

VK2SG RTTY DX NOTES 8 APR 94

NOTES OF INTEREST.

THE ONLY GOOD NOTE FOR THIS WEEK IS A REPORT FROM SYD, VK2SG. SYD STATES THAT HE IS IMPROVING AND SEEMS TO BE GETTING BETTER EACH DAY. NICE TO HEAR FROM YOU SYD AND KEEP UP THE GOOD HEALTH.

THE SAD NOTE IS THE DXPEDITION FROM SPRATLY. PROPAGATION WAS POOR, AND FROM WHAT WE SAW, WERE CALLINS ONLY ON NETS AND LITTLE SPLIT OPERATION SSB ON 20 METERS. NO DIGITAL, WHAT A PITY.

FOR NEXT WEEK'S BULLETIN, SEND YOUR BANDPASS AND NOTES OF INTEREST TO JULES, W2JGR AT W2TKU.#SRQ.FL.USA.NA

REMEMBER, DX DON'T SLEEP.
GL DE BOB, WB2CJL AT W5KSI.#NOLA.LA.USA.NA

Coming events

1994

April	23rd-24th	1ST WW SPDX RTTY Contest
May	14th-15th	Volta RTTY WW Contest

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065

Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President (Col) VK2CTD, or the Secretary (Pat) VK2JPA @ VK2RWI or whatever substitute is available (???VK2AAB???).

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or by packet to VK2JPA as above.

Email address for the Broadcast Officer is :

patl@conmusic.pitt.su.oz.au

The Society welcomes news items on any digital subjects from anywhere in the broadcast coverage area. We know we reach New Zealand and South Pacific islands. We are looking forward to news from your areas to let other amateurs know what you are doing in the hobby. Hope to hear from you.

73s de Pat VK2JPA Broadcast Officer
That concludes ANARTS NEWS Bulletin 806 24/04/94.

Inserted by VK2BQS (Jim) ANARTS Vice-President.
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